Message

From: Cleston Lange [clange@mmm.com]

Sent: 10/11/2017 5:51:48 PM

To: Libelo, Laurence [Libelo.Laurence@epa.gov]

Subject: RE: pchem data for PFHxA

Hi Laurence,

To the best of my knowledge most phys/chem info for PFHxS, and many PFAS in general, are based on in silico prediction programs, some of which don't predict well. I believe COSMOtherm is probably the most accurate and closest to achieving near the known values for PFAS when experimental values have been available. Interestingly, I was just looking at these publications myself this morning, so have these references handy. Also, the concawe report no 8/16 "Environmental fate and effects of poly and perfluoroalkyl substances (PFAS)" has a couple of nice summary tables on what is known or is predicted on PFAS. I have copied the references and links below.

Wang, Z. Macleod M. Cousings I.t. Scheringer M and Hungerbuhler K. 2011. "Using COSMOtherm to predict physicochemical properties of poly- and perfluorinated alkyl substances (PFASs)" *Environ. Chem.* 2011, 8, 389–398. http://www.publish.csiro.au/EN/acc/EN10143/EN10143_AC.pdf

Gomis, M. I., Wang Z., M. Scheringer and Cousins I.T.. 2015. *Science of the Total Environment* 505 (2015) 981–991. https://doi.org/10.1016/j.scitotenv.2014.10.062

https://www.concawe.eu/wp-content/uploads/2016/06/Rpt_16-8.pdf

Hope this helps.

Cleston



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From: Libelo, Laurence [mailto:Libelo.Laurence@epa.gov]

Sent: Wednesday, October 11, 2017 11:28 AM
To: Cleston Lange <clange@mmm.com>
Subject: [EXTERNAL] pchem data for PFHxA

Hi Cleston,

I am looking for p-chem and partitioning data for PFHxS but can't seem to find measured values. Do you know of a decent reference for V.P. Kow, Koa etc? Any suggestions would be greatly appreciated.

Thanks.

Laurence

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